COMMON COURSE OUTLINE: Course discipline/number/title: EQSC 1107: Farrier Science

A. CATALOG DESCRIPTION
   1. Credits: 3
   2. Hours/Week: 1 lecture, 2 labs/5 hours per week
   3. Prerequisites (Course discipline/number): EQSC 1100 and EQSC 1101
   4. Co-requisites (Course discipline/number): None
   5. MnTC Goals (if any): NA

   This course introduces the student to equine anatomy and physiology, form to function, proper hoof care, and lameness. This course involves fundamentals of basic and corrective trimming and shoeing the hoof. RECOMMENDED ENTRY SKILLS/KNOWLEDGE: High school diploma or GED, Grade of C or better in the following courses: EQSC 1100, EQSC 1101, and EQSC 1103.

B. DATE LAST REVISED (Month, year): October, 2004

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Structural makeup of the leg and hoof
   2. Technique and approach when working with the leg and hoof
   3. Farrier techniques and equipment
   4. Common lameness problems and solutions
   5. Basic trimming and shoeing for different uses of horses
   6. Therapeutic trimming and shoeing

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Understand equine conformation and function of leg and hoof.
   2. Demonstrate proper handling techniques for leg and hoof.
   3. Identify farrier equipment and uses.
   4. Identify abnormalities, lameness causes and solutions.
   5. Demonstrate basic trimming of a hoof and shaping of a shoe based on breed/athletic use.
   6. Identify and discuss basic shoeing and corrective trimming/shoeing techniques and concerns.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   Methods may include any of the following:
   1. Reports, quizzes, tests
   2. Practical demonstrations
   3. Oral discussion and question/answer sessions
   4. Group work or team projects
   5. Course assignments
   6. Essay tasks
   7. Attendance

G. RCTC CORE OUTCOME(S) ADDRESSED:
   Communication    Civic Responsibility
   Critical Thinking Personal/Professional Accountability
   Global Awareness/Diversity Aesthetic Response

H. SPECIAL INFORMATION (if any):
   Working with horses involves inherent risks, which the student assumes while enrolled in the course. The laboratory component of this course includes trips to nearby farms, for which the student is expected to provide his/her own transportation, and additional time spent at the college stable, completing assignments.